

## Product datasheet for **MG225102**

### Ankrd42 (NM\_028665) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd42 (NM_028665) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankrd42
Synonyms:	4931426M20; 4933417L02Rik; Ikbn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225102 representing NM\_028665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTGGTGTGGCTAATCCAGGCCCTCCAAGTCCCAGTGGGAGACTGCAGACTCAAGTCCAGGAAGA  
 AGGTACATTTTCAGTAGCATACATGATGCCGTCCGGCTGGAGATGTCAAGCAGCTGTCAAGCATAGTGGA  
 CGGTGGTGCCAACCTTAATGAAGTGGATGCTCTCCATCAGTTTACTCCTTTACATTGGGCAGCACATTCT  
 GGAAGTTTAGAGTGCCTTCACTGGCTACTCTGGAGTGGTGTGATGCCACACAGACAACAAGGGGAT  
 GGACAGCGGCTCACATAGCTGCAATCCGGGGTCAAGATGCCTGCTTACAGGCTCTATAATCAATGGAGC  
 CAACCTAGCAACTCAAGATGATCGTGGATGCACCCCACTACACCTTGTCTACTCATGGACTCTTTT  
 TCTTTACAATAATGCTGCGAAGTGGAGTGGATCCCAGCGTGACTGACAAGAGAGAGTGGAAACCTGTGC  
 ATATGATCTTTTTCATGGCGGCTTGGTTGCTTGCAACTTCTTGTCAAATGGGGATGTGGCATCGAAGA  
 CGTGGACTACAATGGAAACCTCCCGTTTATTTAGCAGCCATGGAAGGCCACCTCCATTGTTTGAATTC  
 CTACTGAGTAGAATGAACAGTGAACACAAGCCTTAAAAGCCTTCAATGATAATGGAGAAAATGATTGG  
 ACCTGGCCACGGGTTTTTGAACAGAATGTTGTAGAGTTTATTCAAGGGGCTCAGTATGAAGGAAGCCA  
 TCCAGATGATCATGATGATTTAGCCTTTCCAGGTGATGTGGTGCCTTTAAGGGTGAAGTGAAGTCTT  
 AAGAACTGATAGGAGACGGGTAATCAATCTGAATGAACGCGATGATAATGGATCAACTCCCATGCATA  
 AAGCTGCTGGACAGGGCCACATTGATTGTTTGCAGTGGTAAATGAAATGGGAGCCGAAAGCAATATTAC  
 CAACAAAGCAGGAGAGACCCCAAGTGTGTGGCTAAGAGATTTGCCCATTTGGCTGCAGTGAAGTCTTG  
 GAGGGCTACAGAAATATGAAATAGATGACATTGAGAGTGATAAAGATCATATAAATTTTTTACAAGGC  
 ATGGTGTGAAGGAAGCACCGATGCCAAGGATGACTTATGTCTGAGTGAATCAGACAAGCAAAATGCCAC  
 AATGAGAGCTCATAAAGAAAATTGTAGAATTGAGACAACCTTCTTGAATCGCTGAGAGCAACTTTAAACAC  
 TTGGTGGGATAACCGAAGAGGATTTAAAGCAGAAGAAAGAACAGCTGGAGTCTAAGAAGACCATCAACG  
 AGCTGCAGGGCCAGCTGGCCTATGAGCGACTCCGCAAGGAAAAGTTAGAGTGCCAGCTGGATGAGTATCG  
 AGTGGAAGTGGATCAACTCAAGGAAACGCTGCAGAAAATCCAGGTACCAGTGTCCGGCTATGGAAGAT  
 GACTCGTGTGAGTCTAGCAAAGAGAAGCGGCGAGTAAAAAAAAGTGTACCTGGGGGTGTTTTGTGA  
 GAAGGTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225102 representing NM\_028665  
 Red=Cloning site Green=Tags(s)

MPGVANPGPSKSRRETADSSSRKKVHFSSIHDAVRAGDVKQLSDIVERGANLNEVDALHQFTPLHWAHHS  
 GSLECLHWLLWSGADATQTTTRGWTAHIAAIRGQDAQLALIINGANLATQDDRGCTPLHLAATHGHSF  
 SLQIMLRSGVDPSTDKREWPKPVHYASFHGRGLGCLQLLVKWCAGIEDVDYNGNLPVHLAAMEGHLHCLKF  
 LLSRMNSATQALKAFNDNGENVLDLAQRFLKQNVVEFIQGAQYEGSHPDDHDLAFPGHVAAFKGDLEVL  
 KKLIGDGVINLNERDDNGSTPMHKAAGQGHIDCLQWLIEMGAESNITNKAGETPSDVAKRFAHLAAYKLL  
 EGLQKYEIDDIKSDKHINFFTRHGVGSTDAKDDLCLSESKANARMRAHKKIVELRQLLEIAESNFKH  
 LGGITEEDLKQKKEQLESKKTINELQQLAYERLRREKLEQQLDEYRVEVDQLKETLQKIQVTSVAAMED  
 DCESSKEKRRVKKKVPGGVVFVRRY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_028665
<b>ORF Size:</b>	1548 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028665.4</a> , <a href="#">NP_082941.2</a>
<b>RefSeq Size:</b>	2801 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	73845
<b>UniProt ID:</b>	<a href="#">Q3V096</a>
<b>Cytogenetics:</b>	7 E1